



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WESTERN REGIONAL OFFICE

436 Dwight Street • Springfield, Massachusetts 01103 • (413) 784-1100

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

ARLEEN O'DONNELL
Commissioner

February 16, 2007

Ida McDonnell, CAP
USEPA Region 1
1 Congress Street – Suite 1100
Boston, Massachusetts 02114-2023

Re: **Minor Modification**
FINAL OPERATING PERMIT
Application for: BWP AQ 17
Source No.: 130560
Appl. #1-O-06-052; Trans. #W102788
At: Eastern Etching & Manufacturing
1 Grape Street
Chicopee, MA 01013

Dear Mr. Rapp:

In accordance with 310 CMR 7.00 - APPENDIX C(6) of the Massachusetts Air Pollution Control Regulations ("the Regulations"), the Department of Environmental Protection ("Department") is forwarding to EPA and affected states the attached **Minor Modification** to the Final Operating Permit for Eastern Etching & Manufacturing, 1 Grape Street, Chicopee, Massachusetts.

The attached **Minor Modification** to the Final Operating Permit adds the permit requirements for a new paint spray booth as provided for in the MassDEP's Final Approval #1-P-06-051 issued December 8, 2006.

Should you have any questions concerning this **Minor Modification** to the Final Operating Permit, please contact John Kirzec at (413) 755-2225 at your earliest convenience.

Sincerely,

This final document copy is being provided to you electronically by the
Department of Environmental Protection. A signed copy of this document
is on file at the DEP office listed on the letterhead.

Craig Goff
Permit Chief
Bureau of Waste Prevention
Western Region

cc: Michael A. Cocco, Operations Manager
Eastern Etching & Manufacturing
1 Grape Street
Chicopee, MA 01013

JK/jk
eastern etching 2007-02-16 final minormod.doc

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

MassDEP on the World Wide Web: <http://www.state.ma.us/dep>



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AIR QUALITY OPERATING PERMIT

Issued by the Massachusetts Department of Environmental Protection ("MassDEP") pursuant to its authority under M.G.L. c. 111, §142B and §142D, 310 CMR 7.00 et seq., and in accordance with the provisions of 310 CMR 7.00: Appendix C.

ISSUED TO ["the Permittee"]:

Eastern Etching & Manufacturing
1 Grape Street
Chicopee, MA 01013

INFORMATION RELIED UPON:

Application No. : 1-O-95-104
Transmittal No. : 102993
Minor Modification
Trans. #W102788; Appl. #1-O-06-052

FACILITY LOCATION:

Eastern Etching & Manufacturing
1 Grape Street
Chicopee, MA 01013

FACILITY IDENTIFYING NUMBERS:

SSEIS ID: 042/149
FMF FAC NO.: 130560
FMF RO NO.: 50090

NATURE OF BUSINESS:

Fabricated Metal Products

STANDARD INDUSTRIAL CODE (SIC):

3479 – Coating, Engraving, & Allied Services (not elsewhere classified), and 3444 – Sheet Metal Work

RESPONSIBLE OFFICIAL:

Name: Gary Spooner
Title: Vice President

FACILITY CONTACT PERSON:

Name: Michael A. Cocco
Title: Operations Manager
Phone: (413) 594-6601

This operating permit shall expire on September 26, 2007.
For the Department of Environmental Protection

This final document copy is being provided to you electronically by the
Department of Environmental Protection. A signed copy of this document
is on file at the DEP office listed on the letterhead.

Michael Gorski
Regional Director
Department of Environmental Protection
Western Regional Office

Date:

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

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SPECIAL CONDITIONS FOR OPERATING PERMIT

A legend to abbreviated terms found in the following tables is located in Section 28 of this Operating Permit.

1. PERMITTED ACTIVITIES

In accordance with the provisions of 310 CMR 7.00: Appendix C and applicable rules and regulations, the Permittee (hereinafter "Eastern Etching") is authorized to operate the air emission units as shown in Table 1 and exempt and insignificant activities as described in 310 CMR 7.00: Appendix C(5)(h) and (i). The units described in Table 1 are subject to the terms and conditions shown in Sections 4, 5, and 6 and to other terms and conditions as specified in this permit. Emissions from the exempt activities shall be included in the total facility emissions for the emission-based portion of the fee calculation described in 310 CMR 4.00 and this permit.

DESCRIPTION OF FACILITY AND OPERATIONS

The Eastern Etching facility is a manufacturer of custom decals, nameplates, and pressure sensitive labels.

2. EMISSION UNIT IDENTIFICATION

The following emission units ("EU") are subject to and regulated by this operating permit:

Table 1			
EU #	Description of Emission Unit	EU Design Capacity	Pollution Control Device (PCD)
EU 1	Degreaser; stockroom	n/a	none
EU 3	Boiler; Eclipse Fuel	5.6 MMBtu/hr	none
EU 4	Roller coat machine	2015 gallons varnish/year 403 gallons thinner/year	none
EU 5-7	Steinmesse & Stolberg Offset Printing Presses #1, 2, & 3	239 gallons print ink/year each	none
EU 10	Silk Screening Machine #1; Svecia SM	612.2 x 10 ⁶ in ² / yr substrate coated total	none
EU 11	Silk Screening Machine #2; Fine Line Uniflex G2 N		
EU 37	Silk Screening Machine #3; Svecia SM 650x900		
EU 15a	Asphaltum Operation (excluding oven)	1533 gallons VM&P naptha/year	none
EU 19	Paint Booth	4341 gallons paint/year 2330 gallons thinner/year	particulate filter mat
EU 23-26	Degreasers; Work Station; Cleaners #1 - #4	n/a	none
EU 27	Degreasers; Lacquer thinner dip tank	n/a	none
EU 28	Degreaser; conveyORIZED	n/a	none
EU 36	Lacquer Thinner Wash-off	n/a	none

3. IDENTIFICATION OF EXEMPT ACTIVITIES

The following are considered exempt activities in accordance with the criteria contained in 310 CMR 7.00: Appendix C(5)(h):

Table 2	
Description of Current Exempt Activities	Reason
The list of current exempt activities is contained in the Operating Permit application and shall be updated by the Permittee to reflect changes at the facility over the permit term. An up-to-date copy of exempt activities list shall be kept on-site at the facility and a copy shall be submitted to the MassDEP's Regional Office. Emissions from these activities shall be reported on the annual emissions statement pursuant to 310 CMR 7.12	310 CMR 7.00:Appendix C(5)(h)

4. APPLICABLE REQUIREMENTS

A. EMISSION LIMITS AND RESTRICTIONS – The Permittee is subject to the emission limits/restrictions as contained in Table 3 below:

Table 3				
EU #	Fuel or Raw Material	Pollutant	Emission Limits / Restrictions	Applicable Regulation and/or Approval No.
EU 1	VM&P Naptha	VOC (no halogens)	none	310 CMR 7.18(8)(a)
EU 3	#2 oil	PM ⁽¹⁾	0.12 lb/MMBtu (one hour average)	310 CMR 7.02(8) TABLE 4
		Smoke	No. 1 of the Chart no more than 6 minutes during any one hour, no time to exceed No. 2 of the Chart	310 CMR 7.06(1)(a)
		Sulfur in Fuel	≤ 0.17 lb S/MMBtu (≈0.3% S oil)	310 CMR 7.05(1)(a)2.
EU 4	Varnish & thinner	VOC	No coating VOC content restrictions If ≤1 ton VOC emitted per calendar month and if <10 tons VOC emitted in any consecutive 12 month time period	310 CMR 7.18(11)(a)2.
EU 5-7	Printing ink		Otherwise, the following limitations apply to the coatings applied (consistent with Regulation 310 CMR 7.18(1)(d)). If more than one emission limitation applies to any specific coating, then the coating shall comply with the least stringent.	Otherwise 310 CMR 7.18(11)(b) 310 CMR 7.18(1)(d)
EU 15a	VM&P Naptha		≤ 10.3 lb VOC/GSA ⁽²⁾ ≤ 6.7 lb VOC/GSA for air dried or forced warm-air dried at temperatures ≤ 90°C ≤ 6.7 lb VOC/GSA for extreme performance coatings ≤ 5.1 lb VOC/GSA for all other coatings	
EU 19	Paint & thinner	VOC	≤ 1.0 ton VOC/HAP emitted per calendar month and ≤ 9.9 tons VOC/HAP emitted in any consecutive 12 month time period	DEP Approval #1-P-06-051 (12/8/06)
		Opacity	0 % at all times	
EU 10	screening ink	VOC	≤ 9000 lb VOC/year(rolling 12 month total) ≤ 612.2 x 10 ⁶ in ² /year of substrate(rolling 12 month total) ≤ 10.0 lb VOC/gallon solids for acid resist coating	DEP Approval #1-P-96-020 (4/3/01) DEP Approval #1-P-96-021 (4/3/01) DEP Approval #1-P-01-027 (06/06/2001)
EU 11				
EU 37		Opacity	≤ 10%	
EU 23-26	VM&P Naptha	VOC (no halogens)	See "Special Terms and Conditions" in Section 5.	310 CMR 7.18(8)(a)
EU 27	thinner	VOC (no halogens)	See "Special Terms and Conditions" in Section 5.	310 CMR 7.18(8)(a)
EU 28	VM&P naptha	VOC (no halogens)	See "Special Terms and Conditions" in Section 5.	310 CMR 7.18(8)(c)
EU 36	thinner	VOC	none	310 CMR 7.18(1)(c)
Facility-Wide	any	Opacity	< 20%, except 20 to < 40% for ≤ 2 minutes during any one hour	310 CMR 7.06(1)(b)

(1) Particulate matter as measured according to the applicable procedures specified in 40 CFR Part 60 Appendix A, Method 5.

(2) lb VOC/GSA = pounds VOC per gallon solids applied

- B. COMPLIANCE DEMONSTRATION – The Permittee is subject to the monitoring, testing, record-keeping, and reporting requirements as contained in Tables 4, 5a/5b, and 6 below and 310 CMR 7.00 Appendix C (9) and (10): and applicable requirements as contained in Table 3.

Table 4	
EU #	Monitoring/Testing Requirements
EU 1 EU 23-28	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.18(8)(h), upon request of the MassDEP, perform or have performed tests to demonstrate compliance with 310 CMR 7.18(8).
EU 3	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.04(4)(a), inspect and maintain each boiler in accordance with the manufacturer's recommendations and test each boiler for efficient operation once each calendar year. 2) In accordance with 310 CMR 7.00 Appendix C(9)(b), monitor sulfur content of each new shipment of No. 2 fuel oil received. Compliance with % sulfur-in-fuel requirements can be demonstrated through testing (<u>testing certification</u>) or by maintaining a shipping receipt from the fuel supplier (<u>shipping receipt certification</u>). <p>The <u>testing certification</u> or <u>shipping receipt certification</u> of % sulfur-in-fuel shall document that sulfur testing has been done in accordance with the applicable ASTM test methods (D129-95, D1266-91, D1552-95, D2622-92, and D4294-90), or any other method approved by the MassDEP and EPA.</p>
EU 4 EU 5-7 EU 15a	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.18(11)(e), upon request of the MassDEP, perform or have performed tests to demonstrate compliance with 310 CMR 7.18(11). Testing shall be conducted in accordance with EPA Method 24 and/or Method 25 as described in CFR Title 40 Part 60, or by other methods approved by the MassDEP and EPA.
EU 19	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with DEP Approval #1-P-06-051 (12/8/06), upon request of the MassDEP, perform or have performed tests to demonstrate compliance with 310 CMR 7.18(11). Testing shall be conducted in accordance with EPA Method 24 and/or Method 25 as described in CFR Title 40 Part 60, or by other methods approved by the MassDEP and EPA.
Facility-Wide	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.13 <u>Stack Testing</u>, conduct stack testing for any air contaminant, upon request by the MassDEP, in accordance with the applicable procedures specified in 40 CFR 60 Appendix A, or other method if approved by the MassDEP and EPA.. <p>In accordance with 310 CMR 7.02(8)(g), compliance with the allowable particulate emission rate shall be determined in accordance with the EPA Methods 1 – 5, as specified in 40 CFR Part 60, Appendix A</p> <p>In accordance with 310 CMR 7.00 Appendix C(9)(b), compliance with the allowable visible/opacity emission limit shall be determined in accordance with EPA Method 9, as specified in 40 CFR 60, Appendix A.</p>

Table 5a

EU #	Record-keeping Requirements
EU 1 EU 23-28	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.18(8)(g) and 310 CMR 7.00 Appendix C(10)(b), prepare and maintain daily records sufficient to demonstrate compliance consistent with an instantaneous averaging time as stated in 310 CMR 7.18(2)(a). Records kept to demonstrate compliance shall be kept on-site for five years and shall be made available to representatives of the MassDEP and EPA upon request. Such records shall include, but are not limited to: <ol style="list-style-type: none"> a. identity, quantity, formulation and density of solvent(s) used, and b. quantity, formulation and density of all waste solvent(s) generated, and c. actual operational and performance characteristics of the degreaser.
EU 3	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.04(4)(a), maintain records of the results of the inspection, maintenance, and annual testing required by this Regulation and shall post these results conspicuously on or near the boiler. 2) In accordance with 310 CMR 7.00 Appendix C(9)(b)2., demonstrate compliance with the % sulfur-in-fuel requirements specified in 310 CMR 7.05(1)(a)2. by obtaining and maintaining either a shipping receipt from the fuel supplier or the oil testing results for each shipment of oil delivered, certifying that the shipment complies with the American Society for Testing and Materials (ASTM) specifications for #2 distillate oil and the specified % sulfur requirements.
EU 4 EU 5-7 EU 15a	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.18(11)(a), 310 CMR 7.18(11)(c), and 310 CMR 7.00 Appendix C(10)(b), prepare and maintain daily records sufficient to document the following: <ol style="list-style-type: none"> a. VOC mass emissions for each calendar month and for each 12-month period, and b. compliance with an instantaneous averaging time, as stated in 310 CMR 7.18(2)(a). <p>Records kept to demonstrate compliance shall be kept on-site for five years and shall be made available to representatives of the MassDEP and EPA upon request. Such records shall include, but are not limited to:</p> <ol style="list-style-type: none"> a. identity, quantity, formulation and density of coatings used, and b. identity, quantity, formulation and density of any diluent(s) and clean-up solvent(s) used, and c. solids content of any coatings used, and d. actual operational and emissions characteristics of the coating line and any appurtenant emissions capture and control equipment, and e. quantity of product processed. 2) In accordance with 310 CMR 7.00 Appendix C(10)(b), if VOC emissions for any calendar month are ≥ 1 ton or for any 12 month period are ≥ 10 tons, prepare and maintain daily records sufficient to demonstrate compliance with the emission limitations specified in 310 CMR 7.18(11)(b), documenting that all coating VOC emissions above the 1 ton and 10 ton thresholds are emitted from coatings that meet the VOC limits specified therein.

Table 5b

EU #	Recordkeeping Requirements
EU 10 EU 11 EU 37	<p>Eastern Etching shall</p> <p>1) In accordance with DEP Approvals #1-P-96-020 and #1-P-96-021 (4/3/01) and DEP Approval #1-P-01-027 (6/6/01), prepare and maintain daily records sufficient to demonstrate compliance with the 9000 lb/year VOC emission limit and the $612.2 \times 10^6 \text{ in}^2$ / year substrate production limit specified therein (combined emissions / production from EU 10, EU 11, and EU 37). Such records shall minimally consist of the following:</p> <ul style="list-style-type: none"> a. identity, quantity, formulation and density of inks/coatings used, and b. identity, quantity, formulation and density of any diluent(s) and clean-up solvent(s) used, and c. solids content of any inks/coatings used, and d. actual operational characteristics of the silk screen line, e. actual emissions of the silk screen line, and f. quantity of product processed.
EU 19	<p>Eastern Etching shall</p> <p>1) In accordance with DEP Approval #1-P-06-051 (12/8/2006), maintain purchase records of coatings and surface preparation products on a monthly basis. The purchase records shall be summarized and include coating category, coating or coating component, and surface preparation product as identified on the container, the quantity of each coating or component, and surface preparation product, and the VOC content (in pounds per gallon) of each coating and surface preparation product, after mixing according to the manufacturer's instructions. Records shall be kept for five years, and be made available to representatives of the MassDEP upon request.</p> <p>2) In accordance with DEP Approval #1-P-06-051 (12/8/06) and 310 CMR 7.00 Appendix C(10)(b), prepare and maintain daily records sufficient to document the VOC mass emissions for each calendar month and for each 12-month period.</p>
EU 36	<p>Eastern Etching shall</p> <p>1) In accordance with 310 CMR 7.00 Appendix C(9)(b)2. and C(9)(d), prepare and maintain on a calendar month basis records documenting the amount of thinner used for the lacquer thinner wash-off operation.</p>
Facility Wide	<p>Eastern Etching shall</p> <p>1) In accordance with 310 CMR 7.00 Appendix C(10)(b), maintain records of all monitoring data and supporting information on-site for a period of at least five years from the date of the monitoring sample, measurement, report or initial operating permit application.</p> <p>2) In accordance with 310 CMR 7.12, maintain the records required to determine the nature and amounts of emissions from the facility.</p> <p>3) In accordance with 310 CMR 7.12(3)(b), retain copies of Source Registration and other information supplied to MassDEP to comply with 310 CMR 7.12 for five years from the date of submittal.</p>

Table 6	
EU #	Reporting Requirements
EU 1 EU 23-28	Eastern Etching shall 1) In accordance with 310 CMR 7.18(8)(g), make available to the MassDEP and EPA upon request, records kept to demonstrate compliance.
EU 10 EU 11 EU 37	Eastern Etching shall 1) In accordance with DEP Approvals #1-P-96-020 & #1-P-96-021 (4/3/2001) and #1-P-01-027 (6/6/2001), notify the MassDEP in writing of any changes in silk screening materials which contain a higher concentration of VOC that that which was used for the purpose of calculating the emission factor "1.47 x 10 ⁻⁵ lb VOC/in ² " that applies to these emission units.
Facility-Wide	Eastern Etching shall 1) In accordance with 310 CMR 7.12, submit a Source Registration/Emission Statement form to the Department on an annual basis. 2) In accordance with 310 CMR 7.00 Appendix C(10)(c), submit to the Department two compliance summaries, one by January 30 for the time period July – December of the previous calendar year, and the other by July 30 for the time period January – June of the current calendar year. (See Provision 10 in "GENERAL CONDITIONS FOR OPERATING PERMIT") 3) In accordance with 310 CMR 7.13(1)(d), submit to the Department any stack test results for any air contaminant obtained from stack testing required by the Department within such time as agreed to in the approved test protocol. 4) In accordance with 310 CMR 7.00 Appendix C(5)(b)9., submit annually a certification that the facility is maintaining the required records to assure the facility is in compliance with the applicable requirements designated in this permit. (See Provision 10 in "GENERAL CONDITIONS FOR OPERATING PERMIT") 5) In accordance with 310 CMR 7.00 Appendix C(10)(a), submit to the Department any record relevant to this operating permit or to the emissions of any air contaminant from the facility within 30 days of the request by the Department or EPA. 6) In accordance with 310 CMR 7.00 Appendix C(10)(f), the Permittee shall report to the Department's Regional Bureau of Waste Prevention all instances of deviations from permit requirements. (See Provision 25 in "GENERAL CONDITIONS FOR OPERATING PERMIT") .

C. **GENERAL APPLICABLE REQUIREMENTS** – The Permittee shall comply with all general applicable requirements contained in 310 CMR 7.00 et. seq. and 310 CMR 8.00 et. seq., when subject.

D. **REQUIREMENTS NOT CURRENTLY APPLICABLE** – The Permittee is currently not subject to the following requirements:

Table 7	
Regulation	Reason
310 CMR 7.16: Reduction of Single Occupant Commuter Vehicle Use	Facility employs fewer than 250 people.
40 CFR Part 82: Stratospheric Ozone	Not applicable
40 CFR 63 Subpart T: National Emission Standards for Halogenated Solvent Cleaning	Not applicable
310 CMR 7.25: Consumer and Commercial Products	Not applicable
42 U. S. C. 7401 § 112(r): Prevention of Accidental Releases	Facility does not store, use or process any of the listed compounds in quantities greater than thresholds.

5. SPECIAL TERMS AND CONDITIONS

The Permittee is subject to the following special provisions that are not contained in Table 3, 4, 5, and 6:

Table 8	
EU #	Special Terms and Conditions
EU 1 EU 23 EU 24 EU 25 EU 26 EU 27	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.18(8)(a), ensure that the cold cleaning degreasers comply with all the requirements (either 1. - 6. or 6. - 9.) as stated in that Regulation. 2) In accordance with 310 CMR 7.18(8)(e), operate any solvent metal degreaser using procedures, including but not limited to the procedures specified in 310 CMR 7.18(8)(e) 1. - 3., which minimize evaporative emissions and prohibit spills from the use of said degreaser.
EU 19	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with DEP Approval #1-P-06-051 (12/8/2006), ensure that the spray guns utilize one of the following methods of spray application and be maintained and operated in accordance with the recommendations of the manufacturer: <ol style="list-style-type: none"> a. Electrostatic spray application; or b. High Volume Low Pressure (HVLP) spray application; or c. Any other coating application method that achieves a transfer efficiency equivalent to electrostatic or HVLP spray application and is approved by the MassDEP in writing. 2) In accordance with DEP Approval #1-P-06-051 (12/8/2006), ensure that spray guns are cleaned in a device that: minimizes solvent evaporation during the cleaning, rinsing, and draining operations; recirculates solvent during the cleaning operation so that the solvent is reused; and, collects spent solvent in a container with a tight-fitting cover so that it is available for proper disposal or recycling. 3) In accordance with DEP Approval #1-P-06-051 (12/8/2006), ensure that the paint spray booth utilizes particulate filters that achieve particulate control efficiency of at least 99% by weight. Filter material shall be disposed in accordance with all applicable MassDEP regulations. 4) In accordance with DEP Approval #1-P-06-051 (12/8/2006), ensure that the face velocity of air at the filter shall not exceed 200 feet per minute. 5) In accordance with DEP Approval #1-P-06-051 (12/8/2006), ensure that the paint spray booth has a stack conforming to the following criteria: <ol style="list-style-type: none"> a. The stack shall discharge vertically upwards; b. The stack shall not have rain protection of a type that restricts the vertical exhaust flow; c. The stack gas exit velocity shall be greater than 40 feet per second; and d. The minimum stack exit height shall be 35 feet above the ground or ten feet above roof level.
EU 28	<p>Eastern Etching shall</p> <ol style="list-style-type: none"> 1) In accordance with 310 CMR 7.18(8)(c), ensure that the conveyorized degreaser complies with all the requirements (1. - 9.) specified in that Regulation.

6. ALTERNATIVE OPERATING SCENARIOS

The permittee did not request alternative operating scenarios in its operating permit application.

7. EMISSIONS TRADING

A. Intra-facility emission trading

The facility did not request intra-facility emissions trading in its operating permit application.

Pursuant to 310 CMR 7.00: Appendix C(7)(b), emission trades, provided for in this permit, may be implemented provided the Permittee notifies the United States Environmental Protection Agency (EPA) and the MassDEP at least fifteen (15) days in advance of the proposed changes and the Permittee provides the information required in 310 CMR 7.00: Appendix C(7)(b)3.

Any intra-facility change that does not qualify pursuant to 310 CMR 7.00: Appendix C(7)(b)2. is required to be submitted to the MassDEP pursuant to 310 CMR 7.00: Appendix B.

B. Inter-facility emission trading

All increases in emissions due to emission trading must be authorized under the applicable requirements of 310 CMR 7.00: Appendix B (the "Emissions Trading Program") and the 42 U.S.C. §7401 et. seq. (the "Act"), and provided for in this permit.

The facility did not request inter-facility emissions trading in its operating permit application.

8. COMPLIANCE SCHEDULE

The Permittee has indicated that the facility is in compliance and shall remain in compliance with the applicable requirements contained in Sections 4 and 5.

In addition, the Permittee shall comply with any applicable requirements that become effective during the permit term.

GENERAL CONDITIONS FOR OPERATING PERMITS

9. FEES

The Permittee has paid the permit application processing fee and shall pay the annual compliance fee in accordance with the fee schedule pursuant to 310 CMR 4.00.

10. COMPLIANCE CERTIFICATION

All documents submitted to the MassDEP shall contain certification by the responsible official of truth, accuracy, and completeness. Such certification shall be in compliance with 310 CMR 7.01(2) and contain the following language:

"I certify that I have personally examined the foregoing and am familiar with the information contained in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment."

The "Operating Permit Reporting Kit" contains instructions and the Annual Compliance Report and Certification and the Semi-Annual Monitoring Summary Report and Certification. The "Operating Permit Reporting Kit" is available to the Permittee via the MassDEP's web site, <http://www.mass.gov/dep/air/approvals/aqforms.htm#op> .

(a) Annual Compliance Report and Certification

The Responsible Official shall certify, annually for the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by January 30 to the MassDEP and to the Regional Administrator, U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
- iv. any additional information required by the MassDEP to determine the compliance status of the source.

(b) Semi-Annual Monitoring Summary Report and Certification

The Responsible Official shall certify, semi-annually on the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by January 30 and July 30 to the MassDEP. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;

- iv. whether there were any deviations during the reporting period;
- v. if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
- vi. whether deviations in the reporting period were previously reported;
- vii. if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
- viii. if the deviations in the reporting period have returned to compliance and date of such return to compliance; and any additional information required by the MassDEP to determine the compliance status of the source.

11. NONCOMPLIANCE

Any noncompliance with a permit condition constitutes a violation of 310 CMR 7.00: Appendix C and the Clean Air Act, and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the MassDEP and/or EPA. Noncompliance may also be grounds for assessment of administrative or civil penalties under M.G.L. c.21A, §16 and 310 CMR 5.00; and civil penalties under M.G.L. c.111, §142A and 142B. This permit does not relieve the Permittee from the obligation to comply with any other provisions of 310 CMR 7.00 or the Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable federal, state, or local rules and regulations, not addressed in this permit.

12. PERMIT SHIELD

- (a) This facility has a permit shield provided that it operates in compliance with the terms and conditions of this permit. Compliance with the terms and conditions of this permit shall be deemed compliance with all applicable requirements specifically identified in Sections 4, 5, 6, and 7, for the emission units as described in the Permittee's application and as identified in this permit.

Where there is a conflict between the terms and conditions of this permit and any earlier approval or permit, the terms and conditions of this permit control.

- (b) The MassDEP has determined that the Permittee is not currently subject to the requirements listed in Section 4, Table 7.
- (c) Nothing in this permit shall alter or affect the following:
- (i) the liability of the source for any violation of applicable requirements prior to or at the time of permit issuance.
 - (ii) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or
 - (iii) the ability of EPA to obtain information under 42 U.S.C. §7401, §114 or §303 of the Act.

13. ENFORCEMENT

The following regulations found at 310 CMR 7.02(8)(h) Table 6 for wood fuel, 7.02(8)(i), 7.04(9), 7.05(8), 7.09 (odor), 7.10 (noise), 7.18(1)(b), 7.21, 7.22 and any condition(s) designated as "state only" are not federally enforceable because they are not required under the Act or under any of its applicable requirements. These regulations and conditions are not enforceable by the EPA. Citizens may seek equitable or declaratory

relief to enforce these regulations and conditions pursuant to Massachusetts General Law Chapter 214, Section 7A.

All other terms and conditions contained in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the MassDEP, EPA and citizens as defined under the Act.

A Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

14. PERMIT TERM

This permit shall expire on the date specified on the cover page of this permit, which shall not be later than the date 5 years after issuance of this permit.

Permit expiration terminates the Permittee's right to operate the facility's emission units, control equipment or associated equipment covered by this permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

15. PERMIT RENEWAL

Upon the MassDEP's receipt of a complete and timely application for renewal, this facility may continue to operate subject to final action by the MassDEP on the renewal application.

In the event the MassDEP has not taken final action on the operating permit renewal application prior to this permit's expiration date, this permit shall remain in effect until the MassDEP takes final action on the renewal application, provided that a timely and complete renewal application has been submitted in accordance with 310 CMR 7.00: Appendix C(13).

16. REOPENING FOR CAUSE

This permit may be modified, revoked, reopened, and reissued, or terminated for cause by the MassDEP and/or EPA. The responsible official of the facility may request that the MassDEP terminate the facility's operating permit for cause. The MassDEP will reopen and amend this permit in accordance with the conditions and procedures under 310 CMR 7.00: Appendix C(14).

The filing of a request by the permittee for an operating permit revision, revocation and reissuance, or termination, or a notification of a planned change or anticipated noncompliance does not stay any operating permit condition.

17. DUTY TO PROVIDE INFORMATION

Upon the MassDEP's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall furnish to the MassDEP copies of records that the Permittee is required to retain by this permit.

18. DUTY TO SUPPLEMENT

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a complete renewal application was submitted but prior to release of a draft permit.

The Permittee shall promptly, on discovery, report to the MassDEP a material error or omission in any records, reports, plans, or other documents previously provided to the MassDEP.

19. TRANSFER OF OWNERSHIP OR OPERATION

This permit is not transferable by the Permittee unless done in accordance with 310 CMR 7.00: Appendix C(8)(a). A change in ownership or operation control is considered an administrative permit amendment if no other change in the permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between current and new Permittee, has been submitted to the MassDEP.

20. PROPERTY RIGHTS

This permit does not convey any property rights of any sort, or any exclusive privilege.

21. INSPECTION AND ENTRY

Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the MassDEP, and EPA to perform the following:

- (a) enter upon the Permittee's premises where an operating permit source activity is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) sample or monitor at reasonable times any substances or parameters for the purpose of assuring compliance with the operating permit or applicable requirements as per 310 CMR 7.00 Appendix C(3)(g)(12).

22. PERMIT AVAILABILITY

The Permittee shall have available at the facility, at all times, a copy of the materials listed under 310 CMR 7.00: Appendix C(10)(e) and shall provide a copy of the permit, including any amendments or attachments thereto, upon request by the MassDEP or EPA.

23. SEVERABILITY CLAUSE

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

24. EMERGENCY CONDITIONS

The Permittee shall be shielded from enforcement action brought for noncompliance with technology based¹ emission limitations specified in this permit as a result of an emergency². In order to use emergency as an affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (a) an emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- (b) the permitted facility was at the time being properly operated;
- (c) during the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and
- (d) the Permittee submitted notice of the emergency to the MassDEP within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

If an emergency episode requires immediate notification to the Bureau of Waste Site Cleanup/Emergency Response, immediate notification to the appropriate parties should be made as required by law.

25. PERMIT DEVIATION

Deviations are instances where any permit condition is violated and not reported as an emergency pursuant to section 24 of this permit. Reporting a permit deviation is not an affirmative defense for action brought for noncompliance. Any reporting requirements listed in Table 6. of this Operating Permit shall supercede the following deviation reporting requirements, if applicable.

The Permittee shall report to the MassDEP's Regional Bureau of Waste Prevention the following deviations from permit requirements, by telephone or fax, within three (3) days of discovery of such deviation:

¹ Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

² An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

- Unpermitted pollutant releases, excess emissions or opacity exceedances measured directly by CEMS/COMS, by EPA reference methods or by other credible evidence, which are ten percent (10%) or more above the emission limit.
- Exceedances of parameter limits established by your Operating Permit or other approvals, where the parameter limit is identified by the permit or approval as surrogate for an emission limit.
- Exceedances of permit operational limitations directly correlated to excess emissions.
- Failure to capture valid emissions or opacity monitoring data or to maintain monitoring equipment as required by statutes, regulations, your Operating Permit, or other approvals.
- Failure to perform QA/QC measures as required by your Operating Permit or other approvals for instruments that directly monitor compliance.

For all other deviations, three (3) day notification is waived and is satisfied by the documentation required in the subsequent Semi-Annual Monitoring Summary and Certification. Instructions and forms for reporting deviations are found in the Massachusetts Department of Environmental Protection Bureau of Waste Prevention Air Operating Permit Reporting Kit available to the permittee via the MassDEP's web site, <http://www.mass.gov/dep/air/approvals/aqforms.htm#op>.

This report shall include the deviation, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and the corrective actions or preventative measures taken.

Deviations that were reported by telephone or fax within 3 days of discovery, said deviations shall also be submitted in writing via the Operating Permit Deviation Report to the regional Bureau of Waste Prevention within ten (10) days of discovery. For deviations which do not require 3-day verbal notification, follow-up reporting requirements are satisfied by the documentation required in the aforementioned Semi-Annual Monitoring Summary and Certification.

26. OPERATIONAL FLEXIBILITY

The Permittee is allowed to make changes at the facility consistent with 42 U.S.C. §7401, §502(b)(10) not specifically prohibited by the permit and in compliance with all applicable requirements provided the Permittee gives the EPA and the MassDEP written notice fifteen (15) days prior to said change; notification is not required for exempt activities listed at 310 CMR 7.00: Appendix C(5)(i). The notice shall comply with the requirements stated at 310 CMR 7.00: Appendix C(7)(a) and will be appended to the facility's permit. The permit shield allowed for at 310 CMR 7.00: Appendix C(12) shall not apply to these changes.

27. MODIFICATIONS

- (a) Administrative Amendments – The permittee may make changes at the facility which are considered administrative amendments pursuant to 310 CMR 7.00: Appendix C(8)(a)1., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(b).

- (b) Minor Modifications – The permittee may make changes at the facility which are considered minor modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)2., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(d).
- (c) Significant Modifications – The permittee may make changes at the facility which are considered significant modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)3., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(c).
- (d) No permit revision shall be required, under any approved economic incentives program, marketable permits program, emission trading program and other similar programs or processes, for changes that are provided in this operating permit. A revision to the permit is not required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program under Title IV of the Act, provided that such increases do not require an operating permit revision under any other applicable requirement.

28. LEGEND OF ABBREVIATED TERMS IN OPERATING PERMIT

Not all abbreviations are present in every Operating Permit

10⁶ Btu/hr – 1,000,000 Btu per hour

CEM – continuous emission monitor

CGA – cylinder gas audit

the Chart – the Ringelmann Scale for grading the density of smoke

CO – carbon monoxide

CO₂ – carbon dioxide

COM – continuous opacity monitor

DAS – data acquisition system

EPA – Environmental Protection Agency

FMF FAC. NO. – Facility Master File Number

FMF RO NO. – Facility Master File Regulated Object Number

ft³ – cubic feet

HHV – higher heating value

hr – hour

ISO – Represents 59°F, 60% Relative Humidity, 29.9 2 Inches Mercury At Sea Level

lb – pound

lb/MMBtu – pounds per million British thermal units

MMBtu/hr – million British thermal units per hour

MW – megawatt (1,000,000 watts)

ng – natural gas

NH₃ – ammonia

NO_x – nitrogen oxides

PLT ID – Plant Identification

PM – particulate matter

ppm – parts per million

ppmvd – parts per million (by volume, dry)

PTE – potential to emit

RATA – relative accuracy test audit

SO₂ – sulfur dioxide

SSEIS – Stationary Source Emission Inventory System

tpy – tons per year

VOC – volatile organic compound

29. APPEAL CONDITIONS FOR OPERATING PERMIT

This permit is an action of the MassDEP. If you are aggrieved by this action, you may request an adjudicatory hearing within 21 days of issuance of this permit. In addition, any person who participates in any public participation process required by the Federal Clean Air Act, 42 U.S.C. §7401, §502(b)(6) or under 310 CMR 7.00: Appendix C(6), with respect to the MassDEP's final action on operating permits governing air emissions, and who has standing to sue with respect to the matter pursuant to federal constitutional law, may initiate an adjudicatory hearing pursuant to Chapter 30A, and may obtain judicial review, pursuant to Chapter 30A, of a final decision therein.

If an adjudicatory hearing is requested, the facility must continue to comply with all existing federal and state applicable requirements to which the facility is currently subject, until a final decision is issued in the case or the appeal is withdrawn. During this period, the application shield shall remain in effect, and the facility shall not be in violation of the Act for operating without a permit.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the permit is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to The Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

The Commonwealth of Massachusetts
Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

The request will be dismissed if the filing fee is not paid unless the appellant is exempt or granted a waiver as described below.

The filing fee is not required if the appellant is a city or town (or municipal agency) county, or district of the Commonwealth of Massachusetts, or a municipal housing authority.

The MassDEP may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.